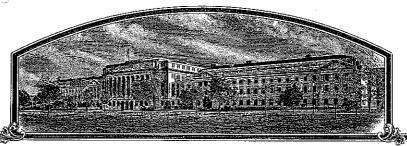
No.



200000022

# THE UNITED SHATES OF AMERICA

TO ALL TO WHOM THESE: PRESENTS SHALL COME:

# Mission Ranches

MACCEUS, THERE HAS BEEN PRESENTED TO THE

### Secretary of Agriculture

AN APPLICATION REQUESTING A CERTIFICATE OF PROTECTION FOR AN ALLEGED DISTINCT VARIETY OF SEXUALLY REPRODUCED, OR TUBER PROPAGATED PLANT, THE NAME AND DESCRIPTION OF WHICH ARE CONTAINED IN THE APPLICATION AND EXHIBITS, A COPY OF WHICH IS HEREUNTO ANNEXED AND MADE A PART HEREOF, AND THE VARIOUS REQUIREMENTS OF LAW IN SUCH CASES MADE AND PROVIDED HAVE BEEN COMPLIED WITH, AND THE TITLE THERETO IS, FROM THE RECORDS OF THE PLANT VARIETY PROTECTION OFFICE, IN THE APPLICANT(S) INDICATED IN THE SAID COPY, AND WHEREAS, UPON DUE EXAMINATION MADE, THE SAID APPLICANT(S) IS (ARE) ADJUDGED TO BE ENTITLED TO A CERTIFICATE OF PLANT VARIETY PROTECTION UNDER THE LAW.

NOW. THEREFORE, THIS CERTIFICATE OF PLANT VARIETY PROTECTION IS TO GRANT UNTO THE SAID APPLICANT(S) AND THE SUCCESSORS, HEIRS OR ASSIGNS OF THE SAID APPLICANT(S) FOR THE TERM OF TWENTY YEARS FROM THE DATE OF THIS GRANT, SUBJECT TO THE PAYMENT OF THE REQUIRED FEES AND PERIODIC REPLENISHMENT OF VIABLE BASIC SEED OF THE VARIETY IN A PUBLIC REPOSITORY AS PROVIDED BY LAW, THE IGHT TO EXCLUDE OTHERS FROM SELLING THE VARIETY, OR OFFERING IT FOR SALE, OR REPRODUCING IT, OR ORTING IT, OR EXPORTING IT, OR CONDITIONING IT FOR PROPAGATION, OR STOCKING IT FOR ANY OF THE PURPOSE, OR CONDITIONING IT FOR PROPAGATION, OR STOCKING IT FOR ANY OF THE ABOVE OR USING IT IN PRODUCING A HYBRID OR DIFFERENT VARIETY THEREFROM, TO THE EXTENT BY THE PLANT VARIETY PROTECTION ACT. (84 STAT. 1542, AS AMENDED, 7 U.S.C. 2321 ET SEQ.)

#### **LETTUCE**

'Calypso'

In Testimony Macress, I have hereunto set my hand and caused the seal of the Hant Mariety Arotection Office to be affixed at the City of Washington, D.C. this nineteenth day of September, in the year two thousand and five.

Allest:

General Commissioner

Commissioner
Plant Variety Protection Office
Agricultural Marketing Service

tary of Agriculture

PRODUCE LOCALLY. Include form number and date on a  U.S. DEPARTMENT OF AGRICULTURE  AGRICULTURAL MARKETING SERVICE		The following statements are ma	FORM APPROVED - OMB NO. 0581- de in accordance with the Privacy A
SCIENCE AND TECHNOLOGY DIVISION - PLANT VARIETY PROTI	ECTION OFFICE		perwork Reduction Act (PRA) of 199
APPLICATION FOR PLANT VARIETY PROTECTION  (Instructions and information collection burden states)		Application is required in order to certificate is to be issued (7 U.S. until certificate is issued (7 U.S. C	to determine if a plant variety prote C. 24211. Information is held confid. . 24261. RAO 0118
NAME OF APPLICANT(S) fire it is to appear on the Certificate)		2. TEMPORARY DESIGNATION OR	3. VARIETY NAME
Mission Ranches		Tango DMR	Avalon-
			Calypso
ADDRESS (Street and No., or R.F.D. No., City, State, and ZIP Code, and Cou	mtry)	6. TELEPHONE finclude area codel	FOR OFFICIAL USE ONLY
100 Broadway			PVPO NUMBER
King City, CA 93930 USA		(831) 385-1263	<u> </u>
		6. FAX finclude eres code) (831) 385-3340	Oct 25,199
GENUS AND SPECIES NAME			a a
	9. FAMILY NAME (Some		FILING AND EXAMINATION PEE:
Lactuca sativa	Composit	ae	2450 00
CROP KIND NAME (Common name)			Date Oct. 25, 199
Lettuce			i i
IF THE APPLICANT NAMED IS NOT A "PERSON", GIVE FORM OF ORGANIZA	ATION (corporation, partners	thip, essociation, etc.) (Common name)	C CERTIFICATION FEE:
Partnership IF INCORPORATED, GIVE STATE OF INCORPORATION	****	1.2 DATE OF WARRING	68200
		12. DATE OF INCORPORATION	July 28, 2
name and address of applicant representative(s), if any, to ser	RVE IN THIS APPLICATION	AND RECEIVE ALL PAPERS	14. TELEPHONE Enclude area code!
Dean Gregg			(001) 000 000
100 Broadway			(831) 809-3959
King City, CA 93930			To. From priction area code!
DUPON APPROPRIATE AND THE STATE OF THE STATE			(831) 726-2961
CHECK APPROPRIATE 80X FOR EACH ATTACHMENT SUBMITTED (Follow I a. [2] Exhibit A. Origin and Breeding History of the Veriety	instructions on reverse)		
b. 🔀 Exhibit B. Statement of Distinctness			
c. 🔀 Exhibit C. Objective Description of the Variety		•	
d. Ethibit D. Additional Description of the Veriety (Optional)			•
e. 🔀 Exhibit E. Statement of the Sasis of the Applicant's Ownership			
<ul> <li>E. Voucher Sample (2,500 viable untreated seeds or, for tuber propagate</li> <li>Filling and Exemination See (\$2,460), made payable to "Tracturer of the</li> </ul>	ld varieties verification that t ha United States* (Alleit e. D.)	issue culture will be deposited and maintain.	nd in an approved public repository)
OES THE APPLICANT SPECIFY THAT SEED OF THIS VARIETY BE SOLD BY			a 89/e1 of the Plant Visions Contaction dust
C 152 4. Ass' mizmat Newl # 10 Bulg : 3 Déligiel	i⊠ NO ∦f *nɔ,* go	to item 20)	in Poles of the Park Vallety Protection Acti
OES THE APPLICANT SPECIFY THAT SEED OF THIS VARIETY BE LIMITED . ENERATIONS?	AS TO NUMBER OF 19	IF "YES" TO ITEM 18, WHICH CLASSES	OF PRODUCTION BEYOND BREEDER SEED
□ YES □ NO		☐ FOUNDATION ☐ REGISTERS	
AS THE VARIETY OR A HYBRID PRODUCED FROM THE VARIETY BEEN REL	EASED, USED, OFFERED FO	OR SALE, OR MARKETED IN THE U.S. OR O	THER COUNTRIES?
[N	§ NO		
to applicant(s) declars that a visible seconds of believed			· · · · · · · · · · · · · · · · · · ·
te applicant(s) declare that a viable sample of basic cood of the variety will be pplicable, or for a tuber propagated variety a tissue culture will be deposited in	n a public repository and mai	nd will be replenished upon request in accor- intained for the duration of the certificate.	dance with such regulations as may be
ns undersigned applicant(al istare) the owner(s) of this sexually reproduced or ction 42, and is entitled to protection under the provisions of Section 42 of th	frihat askannakad utaus		stinct, uniform, and stable as required in
plicantis) islare) informed that false representation herein can jeopardize prote	ection and result in penalties	•	
TURE OF APPLICANT (Owner(s))	SIGNATUR	RE OF APPLICANT (Owner(s))	
7000		ease print or type)	
Please print or type!	NAME (P)		
STAN PURA	NAME IPIL		
Prosse print or type:  STAN PURA  TY OR TITLE  PARTNER  16/	NAME IPE	OR TITLE	DATE

#### EXHIBIT A

RAD 2001

CAlypso

Avalor is a green leaf type of lettuce developed exclusively for the "baby leaf" salad mix market. Avalor is the result of a cross made in 1995, between Tango and the  $F_1$  of Dark Lollo Rosa x El Dorado.

Breeding methods used were a combination of backcrossing and mass selection.

October 1995 - F<sub>1</sub> screened for downy mildew resistance

August 1996 - BC<sub>1</sub> screened for downy mildew resistance

April 1997 - BC<sub>2</sub> screened for downy mildew resistance

August 1997 - BC<sub>2</sub>S<sub>1</sub> screened for mildew resistance. Resistant

seedlings selected for Tango type.

April 1998 - BC<sub>2</sub>S<sub>2</sub> lines indexed for mildew. Homozygous lines

were chosen based on leaf type. Selected lines were massed.

August 1998 - BC<sub>2</sub>S<sub>3</sub>; mass selection for leaf type

April 1999 - BC<sub>2</sub>S<sub>4</sub>; observation for uniformity

August 1999 - BC<sub>2</sub>S<sub>5</sub>; observation for uniformity

Avalon has been uniform and stable for two generations (S<sub>4</sub>, S<sub>5</sub>); No variants have been observed.

Lettuce Application No. 200000022, "Calypso"

supplement to Exhibit B

Calypso is resistant to CA pathotype I,IIA,IIB,III,IV and V and is believed to carry downy mildew gene Dm18. Tango is not resistant to CA pathotype I,IIA,IIB,III,IV and V and is not known to carry any downy mildew resistant genes.

EXHIBIT B (supplement)



TANGO

CALYPSO

EXHIBIT

# U.S. DEPARTMENT OF AGRICULTURE AGRICULTURAL MARKETING SERVICE SCIENCE DIVISION

OBJECTIVE DESCRIPTION OF VARIETY LETTUCE Lactuce sativa

Mission Ranches ORESS (Street and No. or R.F.D. No				ICIAL USE ONLY
	Cha Chara and Dan a		PVPO NUMBER	10027 JA
100 Broadway	city, state, and ZIP Cod	le)		20022 12
King City, CA 9393	· O		VARIETY HAME	C 0
aring city, ca 9393	U		Calypa	
	i .		EXPERIMENTAL D	RSIGNATION
G numbers in the boxes for the chara	etter which have described			<del></del>
ce numbers in the boxes for the chere ced plants. Royal Horticultural Socie	Sty of any recognized color	inis variety. Measured data shou	ild be the mean of an appropriat	e number (at least 10)
location of the test area is:				·
	fornia	Color System L	Jsed: Roayl Hortic	ultural
			Colour Chart	
1012 //11 01 30996	sted check verietles page 4,	<b>.</b>	• •	
01=Curring/Leaf 02=Butterhead			•	•
03-Bibb	06=Vanguard 07=Imperial G	Group tt-OTHER		
○ 04=Cos or Roma	ine 08"Eastern (II	thaca) Group		
EED: COLOR 1-White (Silver Gray)	LIGHT D	ORMANCY H	EAT DORMANCY	
2 2-Black (Gray Brown)		equired [	-Susceptible	•
3=Brown (Amber)	2= Light N	lot Required 1 2	-Not Susceptible	
COTYLEDON TO FOURTH LEAF ST		Color photograph or photograph		Old spediles
2 SHAPE OF COTYLEDO	prown un NS: 1≃Broad			ola sasaliuô
	-uiueu	Z=Intermediate 3-Si	patulate	•
		<del></del>		
[6]			<b>A</b>	
6 SHAPE OF FOURTH LEA	AF:		//\	
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	V.	<i>y</i>		٠.,
•		<i>y</i>	W	<b>.</b>
1	2 3	. 4	5 6	<b>S</b>
1	2 3	. 4	5 6	<b>ک</b>
1		4	5 6	<b>ک</b>
1  LENGTH/WIDTH INDEX C		√ √√ 4 × 10	5 6	<b>.</b>
	OF FOURTH LEAF: L/W	x 10	5 6	٥
1  1 LENGTH/WIDTH INDEX C  2 APICAL MARGIN:	OF FOURTH LEAF: L/W	4 × 10 4=Moderately Dentate		<b>.</b>
2 APICAL MARGIN:	DF FOURTH LEAF: L/W  1=Entire 2=Cresnate/Gnawed	4=Moderately Dentate 5=Coarsely Dentate	7-Lobed	<b>.</b>
	OF FOURTH LEAF: L/W	4=Moderately Dentate		<b>.</b>
2 APICAL MARGIN: 6 BASAL MARGIN:	DF FOURTH LEAF: L/W  1=Entire 2=Cresnate/Gnawed	4=Moderately Dentate 5=Coarsely Dentate	7-Lobed	
2 APICAL MARGIN:	DF FOURTH LEAF: L/W  1=Entire 2=Cresnate/Gnawed	4=Moderately Dentate 5=Coarsely Dentate	7=Lobed 8=OTHER (apecify)	
2 APICAL MARGIN: 6 BASAL MARGIN: 4 UNDULATION:	1=Entire 2=Creanate/Gnawed 3=Finely Dentate	4=Moderately Dentate 5=Coarsely Dentate 6=Incised	7-Lobed	4=Marked
2 APICAL MARGIN: 6 BASAL MARGIN:	1=Entire 2=Creanate/Gnawed 3=Finely Dentate  1=Flat 1=Yellow Green	4=Moderately Dentate 5=Coarsely Dentate 6=Incised 2=Slight 3=Medium Green	7=Lobed 8=OTHER (apecify)	
2 APICAL MARGIN: 6 BASAL MARGIN: 4 UNDULATION: GREEN COLOR:	1=Entire 2=Creanate/Gnawed 3=Finely Dentate	4=Moderately Dentate 5=Coarsely Dentate 6=Incised 2=Slight	7=Lobed 8=OTHER (apecify) 3=Medium	4=Marked 7=Gray Green
2 APICAL MARGIN: 6 BASAL MARGIN: 4 UNDULATION: GREEN COLOR: ANTHOCYANIN:	1=Entire 2=Creanate/Gnawed 3=Finely Dentate  1=Flat 1=Yellow Green	4=Moderately Dentate 5=Coarsely Dentate 6=Incised 2=Slight 3=Medium Green	7=Lobed 8=OTHER (apecify) 3=Medium 5=Blue Green 6=Silver Green	
2 APICAL MARGIN: 6 BASAL MARGIN: 4 UNDULATION: GREEN COLOR:	1=Entire 2=Creanate/Gnawed 3=Finely Pentate  1=Flat 1=Yellow Green 2=Light Green	4=Moderately Dentate 5=Coersely Dentate 6=Incised  2=Slight  3=Medium Green 4=Dark Green	7=Lobed 8=OTHER (apecify) 3=Medium 5=Blue Green	
2 APICAL MARGIN: 6 BASAL MARGIN: 4 UNDULATION: 3 GREEN COLOR: ANTHOCYANIN:	1=Entire 2=Creanate/Gnawed 3=Finely Dentate  1=Flat 1=Yellow Green 2=Light Green	4=Moderately Dentate 5=Coersely Dentate 6=Incised  2=Slight  3=Medium Green 4=Dark Green	7=Lobed 8=OTHER (apecify) 3=Medium 5=Blue Green 6=Silver Green	
2 APICAL MARGIN: 6 BASAL MARGIN: 4 UNDULATION: 3 GREEN COLOR: ANTHOCYANIN: DISTRIBUTION:	1=Entire 2=Creanate/Gnawed 3=Finely Dentate  1=Flat 1=Yellow Green 2=Light Green 1=Absent 2=Margin Only	4=Moderately Dentate 5=Coersely Dentate 6=Incised  2=Slight  3=Medium Green 4=Dark Green  3=Spotted 4=Throughout	7=Lobed 8=OTHER (apecify) 3=Medium 5=Blue Green 6=Silver Green 5=OTHER (specify)	
2 APICAL MARGIN: 6 BASAL MARGIN: 4 UNDULATION: 3 GREEN COLOR: ANTHOCYANIN:	1=Entire 2=Creanate/Gnawed 3=Finely Pentate  1=Flat 1=Yellow Green 2=Light Green	4=Moderately Dentate 5=Coersely Dentate 6=Incised  2=Slight  3=Medium Green 4=Dark Green	7=Lobed 8=OTHER (apecify) 3=Medium 5=Blue Green 6=Silver Green	
2 APICAL MARGIN: 6 BASAL MARGIN: 4 UNDULATION: 3 GREEN COLOR: ANTHOCYANIN: 1 DISTRIBUTION: 1/ PG CONCENTRATION:	1=Entire 2=Creanate/Gnawed 3=Finely Dentate  1=Flat 1=Yellow Green 2=Light Green 1=Absent 2=Margin Only 1=Light	4=Moderately Dentate 5=Coarsely Dentate 6=Incised  2=Slight  3=Medium Green 4=Dark Green  3=Spotted 4=Throughout  2=Moderate .	7=Lobed 8=OTHER (apecify) 3=Medium 5=Blue Green 6=Silver Green 5=OTHER (specify)	
2 APICAL MARGIN: 6 BASAL MARGIN: 4 UNDULATION: 3 GREEN COLOR: ANTHOCYANIN: DISTRIBUTION:	1=Entire 2=Creanate/Gnawed 3=Finely Dentate  1=Flat 1=Yellow Green 2=Light Green 1=Absent 2=Margin Only	4=Moderately Dentate 5=Coersely Dentate 6=Incised  2=Slight  3=Medium Green 4=Dark Green  3=Spotted 4=Throughout	7=Lobed 8=OTHER (apecify) 3=Medium 5=Blue Green 6=Silver Green 5=OTHER (specify)	
2 APICAL MARGIN: 6 BASAL MARGIN: 4 UNDULATION: 3 GREEN COLOR: ANTHOCYANIN: 1 DISTRIBUTION: 1/ D6 CONCENTRATION: 1 ROLLING:	1=Entire 2=Creanate/Gnawed 3=Finely Dentate  1=Flat 1=Yellow Green 2=Light Green 1=Absent 2=Margin Only 1=Light	4=Moderately Dentate 5=Coarsely Dentate 6=Incised  2=Slight  3=Medium Green 4=Dark Green  3=Spotted 4=Throughout  2=Moderate .	7=Lobed 8=OTHER (apecify) 3=Medium 5=Blue Green 6=Silver Green 5=OTHER (specify)	
2 APICAL MARGIN: 6 BASAL MARGIN: 4 UNDULATION: 3 GREEN COLOR: ANTHOCYANIN: 1 DISTRIBUTION: 1/ PG CONCENTRATION:	1=Entire 2=Creanate/Gnawed 3=Finely Dentate  1=Flat 1=Yellow Green 2=Light Green 1=Absent 2=Margin Only 1=Light	4=Moderately Dentate 5=Coarsely Dentate 6=Incised  2=Slight  3=Medium Green 4=Dark Green  3=Spotted 4=Throughout  2=Moderate .	7=Lobed 8=OTHER (apecify) 3=Medium 5=Blue Green 6=Silver Green 5=OTHER (specify)	
2 APICAL MARGIN: 6 BASAL MARGIN: 4 UNDULATION: 3 GREEN COLOR: ANTHOCYANIN: 1 DISTRIBUTION: 1/ D6 CONCENTRATION: 1 ROLLING:	1=Entire 2=Creanate/Gnawed 3=Finely Dentate  1=Flat 1=Yellow Green 2=Light Green 1=Absent 2=Margin Only 1=Light	4=Moderately Dentate 5=Coarsely Dentate 6=Incised  2=Slight  3=Medium Green 4=Dark Green  3=Spotted 4=Throughout  2=Moderate .	7=Lobed 8=OTHER (apecify)  3=Medium  5=Blue Green 6=Silver Green  5=OTHER (specify)  3=Intense	

	NO	TE: (	Provide color photo of hervest MARGIN:	i-mature leaves which accurately shows color	and margin characteristics.	
		[3	INCISION DEPTH:	1=Absent/Shellow (Dark Green Boston of the margin)	2=Moderate (Vanguard)	3=Deep (Great Lakes 659
		3	I timest gipulous of the ma		3=Dedpty Dentate (Great Lakes 659) 4=Cranate (Vanguard)	5-OTHER (specify)
		3	UNDULATION OF T APICAL MARGIN:	HE 1=Absent/Slight (Dark Green Boston)	2=Moderate (Vanguard)	3=Strong (Great Lakes 65
		3	GREEN COLOR:	1=Very Light Green (Bibb) 2=Light Green (Minetto)	3≃Medium Green (Great Lakes) 4=Dark Green (Vanguard)	5=Very Dark Green 6-OTHER
			ANTHOCYANIN (grown a	ot or below 10 C):		
) ·		1	DISTRIBUTION:	1=Absent 2=Margin Only (Big Boston)	3=Spotted (Catif, Cream Butter) 4=Throughout (Prize Head)	5=OTHER (specify)
		1/	CONCENTRATION:	1*Light (Iceberg)	2=Moderate (Prize Head)	3=Intense (Ruby)
	-	1	SIZE:	1=Small	2-Medium	3=Large
		3	GLOSSINESS:	1=Duil (Vanguard)	2=Moderate (Salinas)	3-Glossy (Greet Lakes)
		1	BLISTERING:	1=Absent/Slight (Salinas)	2=Moderate (Vanguard)	3=Strong (Prize Head)
		2	LEAF THICKNESS:	1-Thin	2=Intermediate	3=Thick
	····	1	TRICHOMES:	1=Absent (smooth)	2=Present (spiny)	
5.	PLA	NT (a	t market stage. Choose a comp	parlson variety appropriate for this type.):		<del></del>
	3	7	SPREAD OF FRAME LEAV em This Variety	3 9 cm Tango	[apecify comparison variety	<u> </u>
<i>I</i> ,	3	7	HEAD DIAMETER (market	t trimmed with single cap leaf):  3 9 cm Tango	lepecify comparison variety	,
		5	HEAD SHAPE:	1=Flattened 2=Slightly Flattened		5=Non-Heading 6=OTHER
	-		HEAD SIZE CLASS:	1=Small	2=Medium	3×La/ge
	4/	8/	HEAD COUNT PER CARTO	N		
4	0	0	HEAD WEIGHT: g This Variety	408 Tango	(specify comparison variety	,
		1	HEAD FIRMNESS:	1#Loose 2#Moderate	3-Firm 4⊳Very Firm	
6.	BUTT	(boti	om of market-trimmed head):			· · · · · · · · · · · · · · · · · · ·
i		2	SHAPE:	1=Slightly Concave	2=Flat	3+Rounded
		1	MIDRIB:	1=Flattened (Salinas)	2=Moderately Raised 3	3=Prominently Raised (Great Lakes 659)
7. C	ORE	fstem	of market-trimmed head):			
	3	0	mm Diameter at base of head			•
1	2	3	Ratio of head diameter/core of	liameter		
	2	7	Core height from base of head mm. This Variety	Tango	(epecify comparison variety)	:
3. E	BOLTI	NG (	Give First Water Date May	10 j: NOTE: First Water Date is to	e date seed first receives adequate moist	ure
_	4	8		ster Date to seed stalk emergence (aummer co	ten does equal the planting date.  anditional:	
<u> </u>	<u>-</u> -	 	This Variety  BOLTING CLASS:	4 6 Tango	(*Pecily comparison variety)  **Medium 5	-Very Rapid
1	1	 	Height of mature seed stalk:	2-Slow 4	=Rapid	
		<u>دا</u>	cm This Variety	[1]0 3 cm Tango	(epectfy comparison variety)	

4. MATURE LEAVES (observe harvest-mature outer leaves):

,	····		•		200000	
ا ا	Spread of Boiter Plant (et wi					1022
[6]	4 cm This Variety	4 9 cm _	Tango	(specify	comparison variety)	······································
	BOLTER LEAVES:	1=Straight		2=Curved		
	2 MARGIN:	1=Entire		2=Dentate		
	2 COLOR:	1≃Light Green		2=Medium Green	3≈Dark C	ireen
	BOLTER HABIT:  TERMINAL INFLORESCENCE:	1=Absent		2=Present		
. [	LATERAL SHOOTS:	1-Absent		2•Present		
	1 BASAL SIDE SHOOTS:	1=Absent		2=Present		
9. MATUR	ITY fearliness of horvest-mature h	tad formation):				
NOT	E: Complete this section for at les					
s	EASON Applic. 1 *of day	Check !/ #of days		СНЕСК	VARIETY #	
Si	1 0 1	9 9	Tango		<del></del>	
s	ammer				· · · · · · · · · · · · · · · · · · ·	
F.	·"					
w	inter			·		
Give plant	ing date(s), and location(s):	•				
Sp	January 6, 199	99 Aroma	s, CA			
Su	mmer			· · · · · · · · · · · · · · · · · · ·		
Fa	II .					<del>//</del>
	uter		<del> </del>	<del></del>		· · · · · · · · · · · · · · · · · · ·
O. ADAPTA	irst water date to harvest.	2/Fill in check ver	ed; no emen yre	appropriate line,	<del></del>	
y, nwmc19	PRIMARY REGIONS OF ADA	PTION (tested and pro-	ven adaptedj:	(0=Not tested	T=Not Adapted 2=/	Adapted)
2	Southwest (Calif., Ariz. desert)	West Coa	<u>Г</u> П	Northeast		
0	Northcentral	O Southeas		OTHER		
t	SEASON:	<u></u>				·····
	2 Spring (area West Co	-	2	•	•	
	2 Summer (area West C	oast ,	2	Winter (area Sout)	n West	

1=Not Adapted

2=Organic

FORM LS-470-1 (9-86)

GREENHOUSE:

SOIL TYPE:

0=Not tested

1=Mineral

Page 3 of

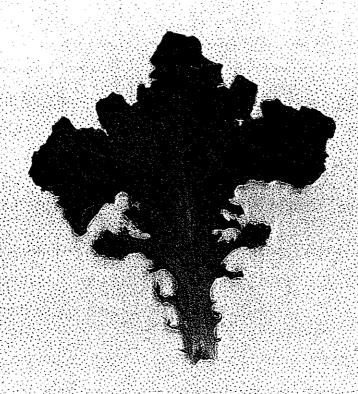
2\*Adapted

3=Both

11. DISEASES ANI	D STRESS REACTIONS (G-Not tested: 1-Sue	ceptible; 2-Intermediate; 3-Resistant; 4-Highly resistant; 5-Tolerant):
	<u>VIRUS</u>	FUNGAL/BACTERIAL 00022
	O Big Vein	O Corky Root Rot (Pythium Root Rot)
	Lettuce Mosaic	3 Downy Milder (Reces I, IIA, IIB, III , IV, V
	O Cucumber Moseic	O Powdery Mildew
	O Broad Bean Wilt	O Sclerotinia Rot
	O Turnip Mossic	Bacterial Soft Rot (Pseudomonas spp. & others)
	O 3eet Western Yellows	O Botrytis (Gray Mold)
	O Lett. Infectious Yellows	отнея
	Other Virus	Constant of the Constant of th
	INSECTS	PHYSIOLOGICAL/STRESS
	Cabbege Loopers	O Tipbum O Salt
	O Root Aphids	5 Heat 0 Brown Rib (Rib Discoloration, Rib Blight)
	I Green Peach Aphid	O Drought OTHER
	Other Insect	
	<u>20</u>	ST HARVEST
	O Pink Rib	O Internal Rib Necrosis (Blackheart, Gray Rib, Gray Streak)
	0 Russet Spotting	0 Brown Stain
	O Rusty Brown Discoloration	
12. BIOCHEMICAL	OR ELECTROPHORETIC MARKERS:	
<del></del>		
13. COMMENTS:		
		•
		-
	SUGGEST	'EO CHECK VARIETIES
	TYPE	CHECK NO. CHECK
	1) CUTTING/LEAF	CHECK VARIETY SALAD BOWL
•	2) BUTTERHEAD 3) BIBB 4) COS OR BOWLESS	DARK GREEN BOSTON BIBB
	4) COS, OR ROMAINE 5) GREAT LAKES GROUP	PARRIS ISLAND GREAT LAKES 659-700
	61 VANGUARD GROUP 71 IMPERIAL GROUP 81 EASTERN GROUP	VANGUARO VIVA
	9) STEM 10) LATIN	ITHACA CELTUCE MATCHLESS
		mint curess

## EXHIBIT C-Item 3

Fourth leaf, 20 day old seedling



## EXHIBIT C - Item 4

Harvest mature leaf



AGRICULTURAL MARKETING SERVICE	1974 (5 U.S.C. 552a) and the Pap	FORM APPROVED - OMB NO. 0581 Is in accordance with the Privicy / www.rt Reduction.Act (PRA) of 1995
STATEMENT OF THE BASIS OF OWNERSHIP	Application is required in order to certificate is to be issued (7 U.S.C. until certificate is issued (7 U.S.C.)	determine If a plant variety prote 24211. Information is held confid 2426).
Mission Ranches	2. TEMPORARY DESIGNATION OR EXPERIMENTAL NUMBER	3. VARIETY NAME
	Tango DMR	Avaloh
4. ADDRESS (Street and No., or R.F.D. No., City, State, and ZIP Code, and Country)	5. TELEPHONE (include area code)	RAYO 01/18/2001 6. FAX Sincturite areas codes
100 Broadway	(831) 385-1263	•
King City, CA 93930 USA	7. PVPO NUMBER	(831) 385-3340
. Does the applicant own all rights to the various?	200	000022
. Does the applicant own all rights to the variety? Mark an "X" in appropriate	block. If no, please explain.	X YES NO
is the applicant (individual or company) a U.S. national or U.S. based companit no, give name of country	γ?	
		X YES NO
a. If original rights to variety were owned by individual(s), is (are)	iswer the following: the original owner(s) a U.S. nations	i(s)?
a. If original rights to variety were owned by individual(s), is (are)  VES NO If no, give name of country  b. If original rights to variety were owned by a company, is the original	the original owner(s) a U.S. nations ginal owner(s) a U.S. based compa	-
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